AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently amended) A method comprising the steps of:

receiving, at a porthole engine, ~~from a browser executing on a client,~~ an initial request for

requested content;

<u>wherein the initial request comes from a browser executing on a client;</u>

<u>wherein the initial request includes an address for the requested content, but does not</u>

<u>include any embedded-item flag;</u>

wherein said client is connected to a network through said porthole engine;

wherein said requested content resides on an origin server located separate from said

porthole engine on said network;

said porthole engine responding to said initial request by sending to said client frame data

that defines at least a first frame and at least a second frame, wherein said

requested content is to be displayed as an embedded item in said first frame and

wherein unrequested content is to be displayed as an embedded item in said

second frame;

causing the client to decode the sent frame data, including decoding tags for embedded

items;

causing the client to send to the porthole engine a second request for the requested content

as an embedded item and the unrequested content as an embedded item;

<u>wherein the second request includes said address for the requested content, and also</u>

<u>includes an embedded-item flag that indicates to the porthole engine that the</u>

<u>second request is for an embedded item;</u>

<u>in response to detecting that the second request includes the embedded-item flag,</u>

<u>responding to the second request by obtaining the requested content from the</u>

<u>origin server without sending additional frame data to said client;</u> and

causing the client to display said requested content and said unrequested content as

embedded items on a single display screen of said client.

2. (previously presented) The method of Claim 1 wherein the requested content includes a web page, and wherein the porthole engine causes the web page to be encapsulated within a paneled frame.

3-6. (canceled)

7. (original) The method of Claim 1 wherein:

said requested content appears on a first portion of a content display region of said
      browser; and

said unrequested content appears on a second portion of said content display region of
      said browser.

8. (canceled)

9. (original) The method of Claim 1 wherein said porthole engine determines the format in which to display said requested content and said unrequested content based on one or more factors including at least one of differences in browsers, components of requested web pages, and versions of the browsers.

10. (canceled)

11. (Previously Presented) The method of Claim 1 further comprising the steps of:

the porthole engine receiving a series of subsequent requests from the browser in response
      to the browser decoding said frame data, said series of subsequent requests
      including the second request for said requested content; and

the porthole engine responding to said second request for said requested content by
      requesting said requested content from said origin server and delivering said
      requested content to said browser.

12. (original) The method of Claim 11 wherein said porthole engine determines that said second request for said requested content is not an initial request for said requested

content by using information contained in the URL associated with said initial request and with said second request.

13.   (previously presented) The method of Claim 1 wherein:

said porthole engine determines that said initial request is not a request for an embedded
       item by using information contained in the URL associated with said initial
       request and with said second request; and

the step of sending frame data is performed in response to determining that said initial
       request is not a request for an embedded item.

14.   (previously presented) The method of Claim 1 wherein the step of sending frame data to said client includes the step of rewriting a link in an embedded frame document to affect frame behavior.

15.   (original) The method of Claim 14 wherein the step of rewriting a link includes the step of changing a target attribute of the link.

16.   (original) The method of Claim 1 wherein:

said porthole engine determines that said initial request is not a request for an embedded
       item by using information contained in the URL associated with said initial
       request and with said second request; and

said porthole engine sends data that causes said unrequested content to appear on a
       portion of said content display region of said browser in response to determining
       that said initial request is not a request for an embedded item.

17.   (original) The method of Claim 1 further comprising the step of using information about a particular user to tailor the unrequested content to that particular user.

18.   (original) The method of Claim 17 wherein the information about the particular user is selected from a group consisting of:

information available to owners of the porthole engine;

information about the requested content; and

a combination of the information available to the owners of the porthole engine and the

information about the requested content.

19.   (original) The method of Claim 1 further comprising the step of identifying the users to

personalize the unrequested content.

20.   (original) The method of Claim 19 wherein the step of identifying the users is performed

by a method selected in a group consisting of:

attaching cookies to web pages that are browsed by a particular user;

observing the radius authentication transactions and the resulting network address

assigned to the client;

tracking network addresses assigned to the users; and

authenticating the users.

21.   (original) The method of Claim 1 wherein the requested content includes a web page

form, and the unrequested content includes information that automatically fills in one or

more fields of said web page form.

22.   (original) The method of Claim 21 including the step of automatically filling in said one

or more fields of said web page form upon determining that a web page being delivered

through said porthole engine is associated with said web page form and is registered in the

porthole engine as fillable.

23.   (original) The method of Claim 21 wherein the information that automatically fills in one

or more fields of said web page form is provided by a database coupled to the porthole

engine.

24.   (original) The method of Claim 1 wherein the porthole engine restricts access to

particular web pages by using content filtering technology based on identities of the users.

25.   (Currently amended) A computer-readable storage medium ~~bearing~~ storing instructions

for allowing a porthole engine to deliver unrequested content to users that access

requested content through the porthole engine, the computer-readable medium comprising

instructions for performing the steps of:

receiving, at a porthole engine~~, from a browser executing on a client,~~ an initial request for

requested content;

wherein the initial request comes from a browser executing on a client;

wherein said client is connected to a network through said porthole engine;

wherein said requested content resides on an origin server located separate from said

porthole engine on said network;

said porthole engine responding to said initial request by sending to said client frame data

that defines at least a first frame and at least a second frame, wherein said

requested content is to be displayed as an embedded item in said first frame and

wherein unrequested content is to be displayed as an embedded item in said

second frame;

causing the client to decode the sent frame data, including decoding tags for embedded

items

causing the client to send to the porthole engine a second request for the requested content

as an embedded item and the unrequested content as an embedded item;

wherein the second request includes said address for the requested content, and also

includes an embedded-item flag that indicates to the porthole engine that the

second request is for an embedded item;

in response to detecting that the second request includes the embedded-item flag,

responding to the second request by obtaining the requested content from the

origin server without sending additional frame data to said client; and

causing the client to display said requested content and said unrequested content as

embedded items on a single display screen of said client.

26.   (Currently amended) The computer-readable storage medium of Claim 25 wherein the

requested content includes a web page, and wherein the porthole engine causes the web

page to be encapsulated within a paneled frame.

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27-30. (canceled)

31.   (Currently amended) The computer-readable storage medium of Claim 25 wherein:

        said requested content appears on a first portion of a content display region of said

                browser; and

        said unrequested content appears on a second portion of said content display region of

                said browser.

32.   (canceled)

33.   (Currently amended) The computer-readable storage medium of Claim 25 wherein said

        porthole engine determines the format in which to display said requested content and said

        unrequested content based on one or more factors including at least one of differences in

        browsers, components of requested web pages, and versions of the browsers.

34.   (canceled)

35.   (Currently amended) The computer-readable storage medium of Claim 25 further

        comprising instructions for performing the steps of:

        the porthole engine receiving a series of subsequent requests from the browser in response

                to the browser decoding said frame data, said series of subsequent requests

                including the second request for said requested content; and

        the porthole engine responding to said second request for said requested content by

                requesting said requested content from said origin server and delivering said

                requested content to said browser.

36.   (Currently amended) The computer-readable storage medium of Claim 35 wherein said

        porthole engine determines that said second request for said requested content is not an

        initial request for said requested content by using information contained in the URL

        associated with said initial request and with said second request.

37.   (Currently amended) The computer-readable storage medium of Claim 35 wherein:

said porthole engine determines that said initial request is not a request for an embedded

item by using information contained in the URL associated with said initial

request and with said second request; and

the step of sending frame data is performed in response to determining that said initial

request is not a request for an embedded item.

38.   (Currently amended) The computer-readable storage medium of Claim 25 wherein the

step of sending frame data to said client includes the step of rewriting a link in an

embedded frame document to affect frame behavior.

39.   (Currently amended) The computer-readable storage medium of Claim 38 wherein the

step of rewriting a link includes the step of changing a target attribute of the link.

40.   (Currently amended) The computer-readable storage medium of Claim 25 wherein:

said porthole engine determines that said initial request is not a request for an embedded

item by using information contained in the URL associated with said initial

request and with said second request; and

said porthole engine sends data that causes said unrequested content to appear on a

portion of said content display region of said browser in response to determining

that said initial request is not a request for an embedded item.

41.   (Currently amended) The computer-readable storage medium of Claim 25 further

comprising instructions for performing the step of using information about a particular

user to tailor the unrequested content to that particular user.

42.   (Currently amended) The computer-readable storage medium of Claim 41 wherein the

information about the particular user is selected from a group consisting of:

information available to owners of the porthole engine;

information about the requested content; and

a combination of the information available to the owners of the porthole engine and the

information about the requested content.

43.   (Currently amended) The computer-readable storage medium of Claim 25 further

comprising instructions for performing the step of identifying the users to personalize the

unrequested content.

44.   (Currently amended) The computer-readable storage medium of Claim 43 wherein the

step of identifying the users is performed by a method selected in a group consisting of:

attaching cookies to web pages that are browsed by a particular user;

observing the radius authentication transactions and the resulting network address

assigned to the client;

tracking network addresses assigned to the users; and

authenticating the users.

45.   (Currently amended) The computer-readable storage medium of Claim 25 wherein the

requested content includes a web page form, and the unrequested content includes

information that automatically fills in one or more fields of said web page form.

46.   (Currently amended) The computer-readable storage medium of Claim 45 including

instructions for performing the step of automatically filling in said one or more fields of

said web page form upon determining that a web page being delivered through said

porthole engine is associated with said web page form and is registered in the porthole

engine as fillable.

47.   (Currently amended) The computer-readable storage medium of Claim 45 wherein the

information that automatically fills in one or more fields of said web page form is

provided by a database coupled to the porthole engine.

48.   (Currently amended) The computer-readable storage medium of Claim 25 wherein the

        porthole engine restricts access to particular web pages by using content filtering

        technology based on identities of the users.

49.   (Currently amended) A computer system comprising:

        a client that includes memory operatively coupled to a processor;

        at least one origin server; and

        a porthole engine;

        wherein said porthole engine is operatively coupled between the client and the at least one

                origin server through a network;

        wherein said porthole engine is configured to deliver unrequested content to users of said

                client that access requested content that resides at said at least one origin server

                through said porthole engine; and

        wherein upon a user using said client to initiate an initial request for said requested

                content through said porthole engine, said porthole engine is configured:

                to receive said initial request from ~~said browser,~~ from a browser executing on the

                        client;

                wherein said initial request includes an address for the requested content, but does

                        not include any embedded-item flag;

                to respond to said initial request by sending to said client frame data that defines at

                        least a first frame and at least a second frame, wherein said requested

                        content is to be displayed as an embedded item in said first frame and

                        wherein unrequested content is to be displayed as an embedded item in

                        said second frame;

                to cause the client to decode the sent frame data, including decoding tags for

                        embedded items;

                to cause the client to send to the porthole engine a second request for the requested

                        content as an embedded item and the unrequested content as an embedded

                        item;

wherein the second request includes said address for the requested content, and

also includes an embedded-item flag that indicates to the porthole engine

that the second request is for an embedded item;

in response to detecting that the second request includes the embedded-item flag,

responding to the second request by obtaining the requested content from

the origin server without sending additional frame data to said client; and

to cause the client to display said requested content and said unrequested content

as embedded items on a single display screen of said client.

50.   (previously presented) The system of Claim 49 wherein the requested content includes a web page, and wherein the porthole engine causes the web page to be encapsulated within a paneled frame.

51-54. (canceled)

55.   (original) The system of Claim 49 wherein:

said requested content appears on a first portion of a content display region of said

browser; and

said unrequested content appears on a second portion of said content display region of

said browser.

56.   (canceled)

57.   (original) The system of Claim 49 wherein said porthole engine is further configured to determine the format in which to display said requested content and said unrequested content based on one or more factors including at least one of differences in browsers, components of requested web pages, and versions of the browsers.

58.   (canceled)

59.   (Previously Presented) The system of Claim 49 wherein the porthole engine is further configured:

to receive a series of subsequent requests from the browser in response to the browser decoding said frame data, said series of subsequent requests including the second request for said requested content; and

to respond to said second request for said requested content by requesting said requested content from said at least one origin server and delivering said requested content to said browser.

60.   (original) The system of Claim 59 wherein said porthole engine is further configured to determine that said second request for said requested content is not an initial request for said requested content by using information contained in the URL associated with said initial request and with said second request.

61.   (previously presented) The system of Claim 49 wherein:

said porthole engine is further configured to determine that said initial request is not a request for an embedded item by using information contained in the URL associated with said initial request and with said second request; and

said porthole engine sending frame data is performed in response to determining that said initial request is not a request for an embedded item.

62.   (original) The system of Claim 49 wherein said porthole engine is further configured:

to determine that said initial request is not a request for an embedded item by using information contained in the URL associated with said initial request and with said second request; and

to send data that causes said unrequested content to appear on a portion of said content display region of said browser in response to determining that said initial request is not a request for an embedded item.

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63.   (original) The system of Claim 49 wherein said porthole engine is further configured to

send data to said client to rewrite a link in an embedded frame document to affect frame

behavior.

64.   (original) The system of Claim 63 wherein rewriting a link includes changing a target

attribute of the link.

65.   (original) The system of Claim 49 wherein said porthole engine is further configured to

use information about a particular user to tailor the unrequested content to that particular

user.

66.   (original) The system of Claim 65 wherein the information about the particular user is

selected from a group consisting of:

information available to owners of the porthole engine;

information about the requested content; and

a combination of the information available to the owners of the porthole engine and the

         information about the requested content.

67.   (original) The system of Claim 49 wherein said porthole engine is further configured to

identify the users to personalize the unrequested content.

68.   (original) The system of Claim 67 wherein said porthole engine to configured to identify

the users by a method selected from a group consisting of:

attaching cookies to web pages that are browsed by a particular user;

observing the radius authentication transactions and the resulting network address

         assigned to the client;

tracking network addresses assigned to the users; and

authenticating the users.

69.   (original) The system of Claim 49 wherein the requested content includes a web page form, and the unrequested content includes information that automatically fills one or more fields of said web page form.

70.   (original) The system of Claim 69 wherein the porthole engine is further configured to automatically fill in said one or more fields of said web page form upon determining that a web page being delivered through the porthole engine is associated with said web page form and is registered in the porthole engine as fillable.

71.   (original) The system of Claim 69 wherein the information that automatically fills in one or more fields of said web page is provided by a database coupled to the porthole engine.

72.   (original) The system of Claim 49 wherein the porthole engine to further configured to restrict access to particular web pages by using content filtering technology based on identities of the users.